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L1: Entry 2 of 2

File: DWPI

Apr 5, 1988

DERWENT-ACC-NO: 1988-130523
DERWENT-WEEK: 198819
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TITLE: Desensitising ink for pressure-sensitive copying paper - contains alkylene oxide adduct of an amine as desensitising agent

PATENT-ASSIGNEE:

ASSIGNEE

FUJI PHOTO FILM CO LTD

CODE

FUJF

PRIORITY-DATA: 1986JP-0220506 (September 18, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 63074681 A	April 5, 1988		005	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 63074681A	September 18, 1986	1986JP-0220506	

INT-CL (IPC): B41M 5/12

ABSTRACTED-PUB-NO: JP 63074681A

BASIC-ABSTRACT:

Desensitising ink contains 4-70 mol alkylene oxide adduct of an amine of formula
 $H(NH-(CH_2)_2)_nNH_2$ (I)

The alkylene oxide compsn. is 40-80 mol.% of butylene oxide and 20-60 mol.% of propylene oxide, used as desensitising agent. In (I), $n = 1-5$.

Pref. desensitising ink comprises desensitising agent, pigment, binder, and opt. organic solvent, antioxidant, UV-absorbing agent, etc. The pigment is e.g., TiO_2 , $BaSO_4$, $CaCO_3$, talc, kaolin, bentonite, etc. The binder is e.g., rosin modified phenolic resin, ketone resin, polyamide resin, maleic acid resin, phenolic resin, epoxy resin, alkyd resin, melamine resin, urea resin, nitrocellulose, PVA, gelatin, etc. The opt. used organic solvent is e.g. cotton oil, methanol, ethanol, ethylacetate, hexane, toluene, MEK, polypropylene glycol, paraffin oil, etc.

ADVANTAGE - The desensitising ink improves offset printability without re-colouring due to water.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: DESENSITISE INK PRESSURE SENSITIVE COPY PAPER CONTAIN ALKYLENE OXIDE ADDUCT AMINE DESENSITISE AGENT

ADDL-INDEXING-TERMS:

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L1: Entry 1 of 2

File: JPAB

Apr 5, 1988

PUB-NO: JP363074681A

DOCUMENT-IDENTIFIER: JP 63074681 A

TITLE: DESENSITIZING INK FOR PRESSURE SENSITIVE COPYING PAPER

PUBN-DATE: April 5, 1988

INVENTOR-INFORMATION:

NAME

COUNTRY

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SANO, MASAJIRO

SAEKI, YOSHISATO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

FUJI PHOTO FILM CO LTD

APPL-NO: JP61220506

APPL-DATE: September 18, 1986

US-CL-CURRENT: 106/31.69; 503/209, 503/213

INT-CL (IPC): B41M 5/12

ABSTRACT:

PURPOSE: To obtain a desensitizing ink enhanced in set-off properties and free from a ghost image due to water, by containing an addition material which is prepared by adding an alkylene oxide with a specific amine.

CONSTITUTION: In a title desensitizing ink, an addition material which is prepared by adding 4~70 moles of alkylene oxide with 1 mole of amine shown by a formula (I) (where, (n) represents an integer 1~5) is used as a desensitizer. As the alkylene oxide, at least butylene oxide and propylene oxide are used, and an addition product in which 40 mole% or more of alkylene oxide is butylene oxide and 20 mole% or more of the alkylene oxide is propylene oxide is contained. With use of a material which is prepared by adding propylene oxide or butylene oxide separately and singly with the aforesaid amine, a problem of the performance occurs in the solubility in water; in the case of using a material which is prepared by using the aforesaid oxides in combination, addition of both alkylene oxides in the same molecule results in a better desensitizing effect of a color developer with the same molar number of amine, thus resulting in a good effect on set-off properties.

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